



UM-939

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Gerard A. Mourou, Detao Du, Subrata K. Dutta, Victor Elner, Ron Kurtz, Paul Lichter, Xinbing Liu, Peter P. Pronko, Jeffrey A. Squier

Reissue Application No.: Unknown

Reissue of: U.S. Patent No. 5,656,186

Issued: August 12, 1997

Title: METHOD FOR CONTROLLING CONFIGURATION OF LASER INDUCED BREAKDOWN AND ABLATION

**CONSENT OF ASSIGNEE**

Sir:

The Regents of the University of Michigan, Assignee of United States Patent No. 5,656,186, consent to the filing of the present reissue application for the reissue of U.S. Patent No. 5,656,186.

The Assignment for United States Patent No. 5,656,186 was recorded in the United States Patent and Trademark Office on September 2, 1994 at Reel 7118, Frame 0175.

The Regents of the University of Michigan have not granted an Assignment to any third parties in connection with United States Patent No. 5,656,186.

I, Michael A. Kope, as Assistant to the Director, Technology Management Office and Intellectual Property Counsel for the University of Michigan have the capacity to sign this "Consent of Assignee" on behalf of the University of Michigan.

Date

July 29, 1999

Michael A. Kope  
Michael A. Kope  
Assistant to the Director, Technology  
Management Office  
Intellectual Property Counsel

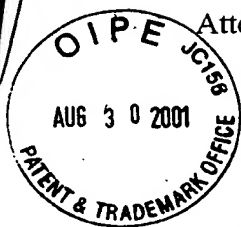
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**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date 8-4-99, in an envelope as "Express Mail Post Office Addressee," service under 37 C.F.R. § 1.10, Mailing Label Number EL1814007500 addressed to: BOX REISSUE, Assistant Commissioner for Patents, Washington, D.C. 20231.

Joan B. Farragher

Joan B. Farragher  
(Signature)



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U.S. Serial No.:

08/224,961

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BREAKDOWN AND ABLATION

**BROADENING REISSUE APPLICATION**  
**OATH AND POWER OF ATTORNEY BY INVENTORS**

As a below-named inventor, I hereby declare that:

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**Broadening Reissue Application Oath  
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U.S. Patent No. 5,656,186  
Attorney Docket: UM-939**

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Full Name of Inventor Jeffrey A. Squier  
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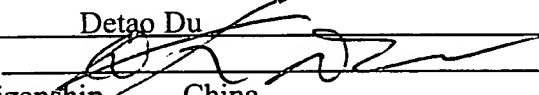
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Full Name of Inventor Peter P. Pronko  
Inventor's Signature (See Separate Document)  
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Residence 7857 Baker Heights Court, Dexter, Michigan 48130  
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Full Name of Inventor Jeffrey A. Squier  
Inventor's Signature (See Separate Document)  
Date \_\_\_\_\_ Citizenship United States  
Residence 10584 Wincheck Road, San Diego, California 92131  
Post Office Address (Same as Above)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Gerard A. Mourou, Detao Du, Subrata K. Dutta,  
Victor Elner, Ron Kurtz, Paul R. Lichter,  
Xinbing Liu, Peter P. Pronko, Jeffrey A. Squier

U.S. Serial No.: 08/224,961

U.S. Patent No.: 5,656,186

Title: METHOD FOR CONTROLLING  
CONFIGURATION OF LASER INDUCED  
BREAKDOWN AND ABLATION

**BROADENING REISSUE APPLICATION  
OATH AND POWER OF ATTORNEY BY INVENTORS**

As a below-named inventor, I hereby declare that:

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**Broadening Reissue Application Oath  
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U.S. Patent No. 5,656,186  
Attorney Docket: UM-939**

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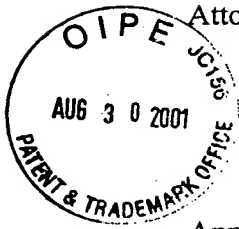
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U.S. Serial No.:

08/224,961

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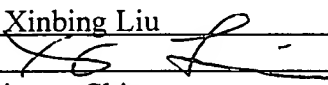
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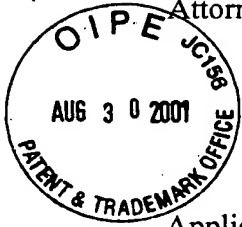
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PATENT

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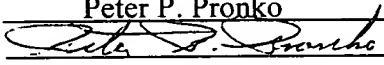
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Attorney Docket: UM-939

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants:

Gerard A. Mourou, Detao Du, Subrata K. Dutta,  
Victor Elner, Ron Kurtz, Paul R. Lichter,  
Xinbing Liu, Peter P. Pronko, Jeffrey A. Squier

U.S. Serial No.:

08/224,961

U.S. Patent No.:

5,656,186

Title:

METHOD FOR CONTROLLING  
CONFIGURATION OF LASER INDUCED  
BREAKDOWN AND ABLATION

**BROADENING REISSUE APPLICATION**  
**OATH AND POWER OF ATTORNEY BY INVENTORS**

As a below-named inventor, I hereby declare that:

(1) my residence, Post Office address and citizenship are as stated below next to my name.

(2) I believe original, first and joint inventors of the subject matter that is described and claimed in Letters Patent Number 5,656,186, granted on August 12, 1997, and in the foregoing specification attached hereto as originally filed on April 8, 1994, and for which invention I solicit a reissue application, are Gerard A. Mourou, Detao Du, Subrata K. Dutta, Victor Elner, Ron Kurtz, Paul R. Lichter, Xinbing Liu, Peter P. Pronko, and Jeffrey A. Squier.

(3) I hereby state that I have reviewed and understand the contents of the above-identified reissue application, including its specification and the claims as amended.

(4) I acknowledge the duty to disclose information which is material to the patentability of this reissue application in accordance with Title 37, Code of Federal Regulations, § 1.56 which I have read and understand.

**Broadening Reissue Application Oath  
and Power of Attorney by Inventors  
U.S. Patent No. 5,656,186  
Attorney Docket: UM-939**

(5) I further declare that I do not know and do not believe that the invention claimed in the instant reissue application was ever known or used by others in this country before my invention thereof, or patented or described in any printed publication in any country before my invention thereof, or patented or described in any printed publication more than one year prior to the filing date of United States Patent No. 5,656,186, or described in any prior U.S. application in which the invention may have been disclosed, or in public use or on sale in the United States of America for more than one year prior to the filing date of United States Patent No. 5,656,186.

(6) I believe that United States Patent No. 5,656,186 to be partly inoperative. I believe United States Patent No. 5,656,186 is partly inoperative because independent claims 1, 7, 24, 33, 35, 36, and 37 are subject to an unintentionally narrow interpretation and, thus, less than I had a right to claim.

(7) In particular, I believe it was an error to use the term "focusing" in at least claims 1, 7, 24, 33, 35, 36 and 37 because it is subject to a unintentionally narrow interpretation.

(8) I further believe that it was an error to use the phrase "generating a beam of one or more laser pulses" in at least claims 1, 7, 33, 35, and 36 because it is subject to a unintentionally narrow interpretation.

(9) All errors which are being corrected in the present reissue application arose without any deceptive intention.

**Broadening Reissue Application Oath  
and Power of Attorney by Inventors  
U.S. Patent No. 5,656,186  
Attorney Docket: UM-939**

**POWER OF ATTORNEY:**

I hereby appoint the following attorney(s) and/or agent(s) of the firm of Young & Basile, P.C.: Linda M. Deschere, Patent Office Registration No. 34,811; Thomas N. Young, Patent Office Registration No. 20,985; Andrew R. Basile, Patent Office Registration No. 24,753; William M. Hanlon, Jr., Patent Office Registration No. 28,422; Marshall G. MacFarlane, Patent Office Registration No. 30,403; Donald L. Wood, Patent Office Registration No. 20,014; Thomas D. Helmholdt, Patent Office Registration No. 33,181; Todd L. Moore, Patent Office Registration No. 36,874; Jason J. Young, Patent Office Registration No. 34,048; and Thomas E. Bejin, Patent Office Registration No. 37,089, as my attorney(s) and/or agent(s), to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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**Broadening Reissue Application Oath  
and Power of Attorney by Inventors  
U.S. Patent No. 5,656,186  
Attorney Docket: UM-939**

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